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### 1 [Embedded computation meets the World Wide Web](#)

[Gaetano Borriello](#), [Roy Want](#)

May 2000 **Communications of the ACM**, Volume 43 Issue 5

**Publisher:** ACM

Additional Information: [full citation](#),

[appendices and](#)

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[references cited by](#),

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Full text available: [HTML](#) (41.58 KB), [PDF](#) (456.09 KB)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 202, Citation Count: 20

### 2 [Personalization of user profiles for content-based music retrieval based on relevance feedback](#)

[Keiichiro Hoashi](#), [Kazunori Matsumoto](#), [Naomi Inoue](#)

November **MULTIMEDIA '03**: Proceedings of the eleventh ACM international conference on Multimedia

**Publisher:** ACM

Full text available: [PDF](#) (189.04 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 121, Citation Count: 7

Numerous efforts on content-based music information retrieval have been presented in recent years. However, the object of such existing research is to retrieve a specific song from a large music database. In this research, we propose a music retrieval ...

**Keywords:** music information retrieval, relevance feedback, tree-based vector quantization, user preferences

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### 3 [Requirements for photoware](#)



[David Frohlich](#), [Allan Kuchinsky](#), [Celine Perin](#), [Abbe Don](#), [Steven Ariss](#)

November 2002 **CSCW '02: Proceedings of the 2002 ACM conference on Computer supported cooperative work**

**Publisher:** ACM

Full text available: [Pdf](#) (364.89 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 24, Downloads (12 Months): 186, Citation Count: 71

Eleven PC-owning families were interviewed at home about their use of conventional and digital photos. They also completed photo diaries and recorded photo-sharing conversations that occurred spontaneously over a three month period after the in-home ...

**Keywords:** cameras, communication, digital photography, photo sharing, photoware, storytelling, user requirements

### 4 [Evaluating collaborative filtering recommender systems](#)



[Jonathan L. Herlocker](#), [Joseph A. Konstan](#), [Loren G. Terveen](#), [John T. Riedl](#)

January 2004 **Transactions on Information Systems (TOIS)**, Volume 22 Issue 1

**Publisher:** ACM

Full text available: [Pdf](#) (253.92 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 288, Downloads (12 Months): 2067, Citation Count: 135

Recommender systems have been evaluated in many, often incomparable, ways. In this article, we review the key decisions in evaluating collaborative filtering recommender systems: the user tasks being evaluated, the types of analysis and datasets being ...

**Keywords:** Collaborative filtering, evaluation, metrics, recommender systems

### 5 [How do users know what to say?](#)



[Nicole Yankelovich](#)

December 1996

**interactions**, Volume 3 Issue 6

**Publisher:** ACM

Full text available: [Pdf](#) (642.15 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 47, Citation Count: 12

### 6 [Social information filtering: algorithms for automating "word of mouth"](#)

[Upendra Shardanand](#), [Pattie Maes](#)

May 1995 **CHI '95: Proceedings of the SIGCHI conference on Human factors in computing systems**

**Publisher:** ACM Press/Addison-Wesley Publishing Co.

Full text available: [Html](#) (37.48 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 59, Downloads (12 Months): 489, Citation Count: 346

7 [Recommender systems in e-commerce](#)



[J. Ben Schafer](#), [Joseph Konstan](#), [John Riedl](#)

November **EC '99**: Proceedings of the 1st ACM conference on Electronic commerce 1999

**Publisher:** ACM

Full text available: [Pdf](#) (112.96 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 128, Downloads (12 Months): 817, Citation Count: 84

**Keywords:** cross-sell, customer loyalty, electronic commerce, interface, mass customization, recommender systems, up-sell

8 [Design: Cultural probes](#)



[Bill Gaver](#), [Tony Dunne](#), [Elena Papentl](#)

January 1999

**interactions**, Volume 6 Issue 1

**Publisher:** ACM

Full text available: [Html](#) (35.50 KB), [Pdf](#) (1.45 MB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 167, Downloads (12 Months): 1242, Citation Count: 139

9 [Mining reference tables for automatic text segmentation](#)



[Eugene Agichtein](#), [Venkatesh Ganti](#)

August **KDD '04**: Proceedings of the tenth ACM SIGKDD international conference 2004 on Knowledge discovery and data mining

**Publisher:** ACM

Full text available: [Pdf](#) (255.20 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 69, Citation Count: 11

Automatically segmenting unstructured text strings into structured records is necessary for importing the information contained in legacy sources and text collections into a data warehouse for subsequent querying, analysis, mining and integration. In ...

**Keywords:** data cleaning, information extraction, machine learning, text management, text segmentation

10 [Getting to know you: learning new user preferences in recommender systems](#)



[Al Mamunur Rashid](#), [Istvan Albert](#), [Dan Cosley](#), [Shyong K. Lam](#), [Sean M. McNee](#), [Joseph A. Konstan](#), [John Riedl](#)

[A. Konstan](#), [John Riedl](#)

January **IUI '02**: Proceedings of the 7th international conference on Intelligent 2002 user interfaces

**Publisher:** ACM

Full text available: [Pdf](#) (294.87 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 122, Citation Count: 28

Recommender systems have become valuable resources for users seeking intelligent ways to search through the enormous volume of information available to them. One crucial unsolved problem for recommender systems is how best to learn about a new user. ...

**Keywords:** collaborative filtering, entropy, information filtering, recommender systems, startup problem, user modeling

11 [Proceedings of the 12th annual ACM international conference on Multimedia](#)



[Henning Schulzrinne](#), [Nevenka Dimitrova](#), [Angela Sasse](#), [Sue Moon](#), [Rainer Lienhart](#)

October **MULTIMEDIA '04:** Proceedings of the 12th annual ACM international 2004 conference on Multimedia

**Publisher:** ACM

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

ACM Multimedia has traditionally been instrumental with its technical program to shape the field and give new directions for established conferences. Before the conference last year, the Special Interest Group on Multimedia (SIG MM) Chair Larry Rowe ...

12 [The Internet is changing the music industry](#)



August 2001 **Communications of the ACM**, Volume 44 Issue 8

**Publisher:** ACM

Full text available: [HTML](#) (34.37 KB), [PDF](#) (100.53 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 263, Downloads (12 Months): 1009, Citation Count: 6

13 [Digital photo similarity analysis in frequency domain and photo album compression](#)



[Yang Lu](#), [Tien-Tsin Wong](#), [Pheng-Ann Heng](#)

October **MUM '04:** Proceedings of the 3rd international conference on Mobile and 2004 ubiquitous multimedia

**Publisher:** ACM

Full text available: [PDF](#) (572.69 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 60, Citation Count: 0

With the increasing popularity of digital camera, organizing and managing the large collection of digital photos effectively are therefore required. In this paper, we study the techniques of photo album sorting, clustering and compression in DCT frequency ...

**Keywords:** DCT, JPEG, MPEG, adaptive clustering, energy histogram, frequency domain, image compression, photo album sorting, similarity analysis

14 [Automatically converting otograic series into video](#)



[Xian-Sheng Hua](#), [Lie Lu](#), [Hong-Jiang Zhang](#)

October 2004 **MULTIMEDIA '04**: Proceedings of the 12th annual ACM international conference on Multimedia

**Publisher:** ACM

Full text available: [Pdf](#) (547.80 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 17, Citation Count: 6

In this paper, we proposed a novel way to browse a series of otogra, which can be regarded as a system exploring the new medium between otogra and video. The scheme exploits the rich content embedded in a single otogra and otograic series. Based on ...

**Keywords:** attention detection, audio segmentation, face detection, image clustering, image content analysis

15 [Shilling recommender systems for fun and profit](#)



[Shyong K. Lam](#), [John Riedl](#)

May 2004 **WWW '04**: Proceedings of the 13th international conference on World Wide Web

**Publisher:** ACM

Full text available: [Pdf](#) (394.87 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 167, Citation Count: 38

Recommender systems have emerged in the past several years as an effective way to help people cope with the problem of information overload. One application in which they have become particularly common is in e-commerce, where recommendation of items ...

**Keywords:** collaborative filtering, recommender systems, shilling

16 [RStar: an RDF storage and query system for enterprise resource management](#)



[Li Ma](#), [Zhong Su](#), [Yue Pan](#), [Li Zhang](#), [Tao Liu](#)

November 2004 **CIKM '04**: Proceedings of the thirteenth ACM international conference on Information and knowledge management

**Publisher:** ACM

Full text available: [Pdf](#) (704.00 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 104, Citation Count: 4

Modern corporations operate in an extremely complex environment and strongly depend on all kinds of information resources across the enterprise. Unfortunately, with the growth of an enterprise, its information resources are not only heterogeneous but ...

**Keywords:** RDF query language, RDF storage, metadata, ontology, resource management

17 Dynamically growing hypertext collections



Pratik Dave, Paul Logasa Bogen, II, Unmil P. Karadkar, Luis Francisco-Revilla, Richard Furuta, Frank Shipman

August **HYPERTEXT '04**: Proceedings of the fifteenth ACM conference on  
2004 Hypertext and hypermedia

**Publisher:** ACM

Full text available: [Pdf](#) (727.53  
KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 30, Citation Count: 2

Many approaches have been pursued over the years to facilitate creating, organizing, and sharing collections of materials extracted from large information spaces. Little attention, in the context of hypertext collections, has been paid to the addition ...

**Keywords:** RSS, WWW, Walden's paths, hypertext collections, path-centric browsing, web site syndication

18 Recommender systems: a market-based design



Yan Zheng Wei, Luc Moreau, Nicholas R. Jennings

July **AAMAS '03**: Proceedings of the second international joint conference on  
2003 Autonomous agents and multiagent systems

**Publisher:** ACM

Full text available: [Pdf](#) (564.27  
KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 58, Citation Count: 6

Recommender systems have been widely advocated as a way of coping with the problem of information overload for knowledge workers. Given this, multiple recommendation methods have been developed. However, it has been shown that no one technique is best ...

**Keywords:** auctions, mechanism design, recommender system

19 Leveraging face recognition technology to find and organize photos



Andreas Gergensohn, John Adcock, Lynn Wilcox

October **MIR '04**: Proceedings of the 6th ACM SIGMM international workshop on  
2004 Multimedia information retrieval

**Publisher:** ACM

Full text available: [Pdf](#) (2.75  
MB)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#),  
[index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 146, Citation Count: 10

With digital still cameras, users can easily collect thousands of photos. We have created a photo management application with the goal of making photo organization and browsing simple and quick, even for very large collections. A particular concern is ...

**Keywords:** digital photo collections, face detection and recognition, home users, user interface design

20 [The voice of the people: a system for enriching Olympic experiences](#)



[Christopher Thomas](#), [Greg Foggel](#), [Sonia Wendorf](#), [Kristen Jones](#)

April 2004 CHI '04: CHI '04 extended abstracts on Human factors in computing systems

Publisher: ACM

Full text available: Pdf (1.75 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 13, Citation Count: 0

During a 14-week student design project, we developed a concept for a three-component system that allows audience members to voice their opinions at Olympic events. Aside from completing CHI's primary goal of creating a voting device, we found that audience ...

**Keywords:** design, design research, interaction design, wearable technology

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